

Technical Data Sheet

ROHRflex-PA 12+

ROHRflex corrugated plastic tubings

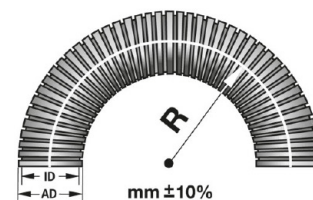
Multilayer corrugated plastic tubing especially for outdoor applications

Temperature: -50°C ... +120°C ^ +150°C
-58°F ... +248°F ^ +302°F

Material: PA 12 plastics

Characteristics:

- High alternate bending strength under extreme climatic conditions
- Oil and benzine resistant
- Widely resistant to acid and solvents
- Free of silicone, cadmium, halogen
- Highly self-extinguishing
- Flame retardant
- Excellent UV-resistance



Applications:

- Railway industry, machine and plant constructions, automotive, shipbuilding, automation, electrical installations



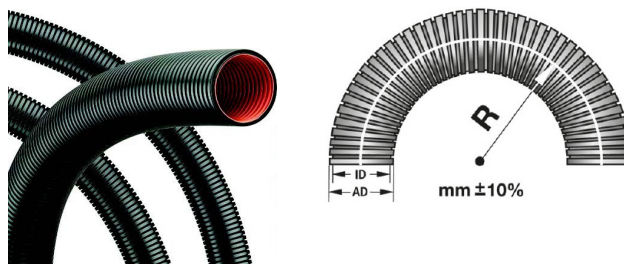
Characteristics	Unit	Value	Test
Mechanical characteristics			
Resistance to compression	N	320	EN 61386-23
Resistance to bending		flexible	EN 61386-23
Resistance to impact (-45C)	J	2	EN 61386-23
Resistance to impact (-15C)	J	6	EN 61386-23
Resistance to reversed bending		5,000	EN 61386-23
Average reversed bending stress		>2,000,000	WN-1003
Flame characteristics			
Free of halogen and phosphor		yes	DIN 53474
Flame class		V2	UL 94
Resistance to flame propagation		non flame propagating	EN 61386-23
Flammability of rail vehicle materials		flame retardant	JRMA
Railway EN 45545-2			
Fire hazard level R22 and R23		HL2	EN 45545-2
Oxygen index	%	>28	ISO 4589-2
Smoke density	DS max.	>300	EN ISO 5659-2
Toxicity	CIT	<0.09	NF X 70-100-1/-2
Specific characteristics			
Resistance to fuels, mineral oil, fat alkalises, glycols, acids, bases		excellent	
Weather performance			
UV-resistance	Std.	1,000	ASTM G155, Cycle 1
System test			
Pull-out resistance with FLEXAquick	N	250	EN 61386-23
Ingress protection			
Assembled with FLEXAquick		IP 68/69K	IEC 60529

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Part Number	Color	Trade Size mm in	Profile	ID mm in	OD mm in	BR Stat. mm in	BR Dyn. mm in	Weight kg/m lb/ft	Std Pack m ft
1236.202.006	Black	10.0 1/4	Fine	6.6 0.26	10 0.39	13 0.51	35 1.38	0.02 0.01	50 164
1236.202.010	Black	13.0 5/16	Fine	9.9 0.39	13 0.51	15 0.59	35 1.38	0.025 0.02	50 164
1236.202.012	Black	15.8 3/8	Fine	12.3 0.48	15.9 0.63	25 0.98	55 2.17	0.04 0.03	50 164
1236.202.016	Black	21.2 1/2	Fine	16.5 0.65	21.2 0.83	35 1.38	75 2.95	0.07 0.05	50 164
1236.232.023	Black	28.5 3/4	Coarse	22 0.87	28.5 1.12	55 2.17	100 3.94	0.105 0.07	50 164
1236.232.029	Black	34.5 1	Coarse	28 1.1	34.5 1.36	65 2.56	120 4.72	0.125 0.08	25 82
1236.232.036	Black	42.5 1 1/4	Coarse	35.8 1.41	42.5 1.67	90 3.54	150 5.91	0.15 0.1	25 82
1236.232.048	Black	54.5 1 1/2	Coarse	47.5 1.87	54.5 2.15	100 3.94	190 7.48	0.25 0.17	25 82

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